CLAIMS:

- 1. A pullulan free edible film composition comprising:
- (a) an effective amount of a film forming agent; and
- (b) an effective amount of an antimicrobial agent wherein the antimicrobial agent comprises Magnolia Bark extract.
- 2. The composition of claim 1 wherein the film forming agent comprises a mixture of a maltodextrine, a filler, and a hydrocolloid.
- 3. The composition of claim 2 wherein the maltodextrine comprises about 5 wt.% to about 60 wt.% of the edible film.
- 4. The composition of claim 2 wherein the maltodextrine comprises about 20 wt.% to about 40 wt.% of the edible film.
- 5. The composition of claim 2 wherein the hydrocolloid comprises about 10 wt.% to about 50 wt.% of the edible film.
- 6. The composition of claim 2 wherein the hydrocolloid comprises about 20 wt.% to about 30 wt.% of the edible film.
- 7. The composition of claim 2 wherein the filler comprises about 5 wt.% to about 30 wt.% of the edible film.
- 8. The composition of claim 2 wherein the filler comprises about 15 wt.% to about 25 wt.% of the edible film.
- 9. The composition of claim 2 wherein the hydrocolloid comprises a material selected from the group consisting of a natural gum, a biosynthetic gum, a

natural seaweed, a natural plant extrudate, a natural fiber extract, a gelatin, a biosynthetic process starch, a cellulosic material, an alginate, pectin, and combinations thereof.

- 10. The composition of claim 9 wherein the natural gum comprises a gum selected from the group consisting of natural seed gum, guar gum, locust gum, tara gum, gum arabic, ghatti gum, agar gum, and xanthan gum.
- 11. The composition of claim 9 wherein the alginate comprises sodium alginate or calcium alginate.
- 12. The composition of claim 9 wherein the natural seaweed comprises a carrageenan.
- 13. The composition of claim 2 wherein the filler comprises a food-grade bulk filler selected from the group consisting of microcrystalline cellulose, a cellulose polymer, magnesium carbonate, calcium carbonate, ground limestone, a silicate, clay, talc, titanium dioxide, a calcium phosphate, and combinations thereof.
- 14. The composition of claim 13 wherein the cellulose polymer comprises wood.
- 15. The composition of claim 13 wherein the silicate comprises magnesium or aluminum silicate.
- 16. The composition of claim 13 wherein the calcium phosphate comprises mono-calcium phosphate, di-calcium phosphate, or tri-calcium phosphate.
- 17. The composition of claim 1 wherein the Magnolia Bark extract comprises about 1 wt% to about 10 wt% of the edible film.

- 18. The composition of claim 1 wherein the Magnolia Bark extract comprises about 8 wt% of the edible film.
- 19. The composition of claim 1 wherein the Magnolia Bark Extract comprises about 5 wt% of the edible film.
- 20. The composition of claim 1 wherein the Magnolia Bark extract comprises at least one of Magnolol and honokoil.
- 21. The composition of claim 1 further comprising an effective amount of a medicament.
- 22. The composition of claim 21 wherein the medicament comprises an oral cleansing or breath freshening compound selected from the group consisting of a pH control agent, inorganic components for tartar or caries control, a breath freshening agent, an anti-plaque/anti-gingivitis agent, a saliva stimulating agent, a pharmaceutical agent, a nutraceutical agent, a vitamin, a mineral, and combinations thereof.
- 23. The composition of claim 22 wherein the pH control agent comprises urea.
- 24. The composition of claim 22 wherein the inorganic components for tartar or caries control comprise phosphates or fluorides.
- 25. The composition of claim 22 wherein the breath freshening agent agent comprises zinc gluconate.
- 26. The composition of claim 22 wherein the anti-plaque/anti-gingivitis agent comprises cholorhexidene, CPC, or triclosan.

- 27. The composition of claim 22 wherein the saliva stimulating agent comprises a food acid.
- 28. The composition of claim 27 wherein the food acid comprises an acid selected from the group consisting of citric, lactic, maleic, succinic, ascorbic, adipic, fumaric, and tartaric acids.
- 29. The composition of claim 1 further comprising an effective amount of a softening agent.
- 30. The composition of claim 29 wherein the softening agent comprises about 0 wt% to about 20 wt % of the edible film.
- 31. The composition of claim 29 wherein the softening agent comprises about 2 wt% to about 10 wt% of the edible film.
- 32. The composition of claim 29 wherein the softening agent comprises a plasticizer including a compound selected from the group consisting of sorbitol, glycerin, polyethylene glycol, propylene glycol, hydrogenated starch hydrolysates, corn syrup, and combinations thereof.
- 33. The composition of claim 1 further comprising an effective amount of a coloring agent.
- 34. The composition of claim 1 further comprising an effective amount of a flavoring agent.
- 35. The composition of claim 34 wherein the flavoring agent comprises about 0.1 wt% to about 20 wt % of the edible film.

- 36. The composition of claim 34 wherein the flavoring agent comprises about 10 wt% to about 15 wt% of the edible film.
- 37. The composition of claim 34 wherein the flavoring agent comprises a material selected from the group consisting of essential oils, synthetic flavors, fruit essences, anise, flavor oils with germ killing properties, and mixtures thereof.
- 38. The composition of claim 37 wherein the essential oils comprises citrus oil, peppermint oil, spearmint oil, mint oil, clove oil, oil of wintergreen.
- 39. The composition of claim 37 wherein the flavor oils with germ killing properties comprise menthol, eucalyptol, thymol, and combinations thereof.
- 40. The composition of claim 1 further comprising an effective amount of an emulsifying agent.
- 41. The composition of claim 40 wherein the emulsifying agent comprises lecithin, (C₁₀.C₁₈) fatty acids, mono and diacyl glycerides, ox bile extract, polyglycerol esters, polyethylene sorbitan esters, propolyene glycol, sorbitan monopalmitate, sorbitan monosterate, sorbitan tristerate, enzyme modified lecithin, hyroxylated lecithins, and combinations thereof.
- 42. A method of oral cleansing by applying a pullulan-free edible film to the oral cavity, wherein the edible film comprises:
 - (a) an effective amount of a film forming agent; and
- (b) an effective amount of an antimicrobial agent wherein the antimicrobial agent comprises Magnolia Bark extract.
- 43. The method of claim 42 wherein the Magnolia Bark extract comprises at least about 1 wt% of the edible film.

- 44. The method of claim 42 wherein the Magnolia Bark extract comprises about 5 wt% of the edible film.
- 45. The method of claim 42 wherein the Magnolia Bark extract comprises at least one of Magnolol and honokoil.
- 46. The method of claim 42 wherein the film forming agent comprises a mixture of a maltodextrine, a filler, and a hydrocolloid.
- 47. The method of claim 46 wherein the maltodextrine comprises about 5 wt.% to about 60 wt.% of the edible film.
- 48. The method of claim 46 wherein the hydrocolloid comprises about 10 wt.% to about 50 wt.% of the edible film.
- 49. The method of claim 46 wherein the filler comprises about 5 wt.% to about 30 wt.% of the edible film.
- 50. The method of claim 46 wherein the hydrocolloid comprises a material selected from the group consisting of a natural gum, a biosynthetic gum, a natural seaweed, a natural plant extrudate, a natural fiber extract, a gelatin, a biosynthetic process starch, a cellulosic material, an alginate, pectin, and combinations thereof.
- 51. The method of claim 50 wherein the natural gum comprises a gum selected from the group consisting of natural seed gum, guar gum, locust gum, tara gum, gum arabic, ghatti gum, agar gum, and xanthan gum.
- 52. The method of claim 50 wherein the alginate comprises sodium alginate or calcium alginate.

- 53. The method of claim 50 wherein the natural seaweed comprises a carrageenan.
- 54. The method of claim 46 wherein the filler comprises a food-grade bulk filler selected from the group consisting of microcrystalline cellulose, a cellulose polymer, magnesium carbonate, calcium carbonate, ground limestone, a silicate, clay, talc, titanium dioxide, a calcium phosphate, and combinations thereof.
- 55. The method of claim 54 wherein the cellulose polymer comprises wood.
- 56. The method of claim 54 wherein the silicate comprises magnesium or aluminum silicate.
- 57. The method of claim 54 wherein the calcium phosphate comprises mono-calcium phosphate, di-calcium phosphate, or tri-calcium phosphate.
- 58. The method of claim 42 wherein the edible film further comprises one or more of a medicament, a softening agent, a coloring agent, a flavoring agent, and an emulsifying agent.
- 59. The method of claim 42 wherein the edible film delivers at least about 0.1wt% Magnolia Bark extract to the oral cavity.
- 60. The method of claim 42 wherein the edible film delivers at least about 0.01wt% Magnolia Bark extract to the oral cavity.
- 61. The method of claim 42 wherein the edible film delivers at least about 0.005wt% Magnolia Bark extract to the oral cavity.

- 62. A method of making a pullulan-free edible film comprising:
- (a) forming an aqueous solution that includes a maltodextrin, a hydrocolloid, and a filler;
- (b) adding an effective amount of an antimicrobial agent to the aqueous solution, wherein the antimicrobial agent comprises Magnolia Bark extract; and
 - (c) drying the aqueous solution to form a dry edible film.
- 63. The method of claim 62 wherein adding an effective amount of an antimicrobial agent comprises adding sufficient Magnolia Bark extract such that the dry edible film comprises at least about 1 wt% Magnolia Bark extract.
- 64. The method of claim 62 wherein adding an anti-microbial agent comprises adding at least one of Magnolol and honokoil.
- 65. The method of claim 62 wherein forming an aqueous solution comprises adding sufficient maltodextrine such that the dry edible film comprises about 5 wt.% to about 60 wt.% maltodextrine.
- 66. The method of claim 62 wherein forming an aqueous solution comprises adding sufficient hydrocolloid such that the dry edible film comprises about 10 wt.% to about 50 wt.% hydrocolloid.
- 67. The method of claim 62 wherein forming an aqueous solution comprises adding sufficient filler such that the dry edible film comprises about 5 wt.% to about 30 wt.% filler.
- 68. The method of claim 62 wherein forming an aqueous solution further comprises adding one or more of a medicament, a softening agent, a coloring agent, a flavoring agent, and an emulsifying agent.

- 69. The method of claim 62 further comprising heating the aqueous solution to a temperature of about 40°C to about 60°C prior to drying the aqueous solution.
- 70. A treatment method for reducing the number or activity of bacteria in the oral cavity comprising the steps of:
- (a) providing an edible film composition comprising Magnolia Bark extract in an amount sufficient to kill or deactivate oral bacteria; and
- (b) causing a person in need of the treatment to consume the edible film composition whereby the bacteria in the oral cavity of the person is reduced or inactivated by the treatment.